Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Unit 7, Part 4 (Pedigrees) – Learning Targets**

Pre-AP Biology, Mrs. Krouse

**What will I be able to do when I’ve finished this lesson?**

* I can analyze pedigrees to determine the type of inheritance for a trait—dominant, recessive, or sex-linked.
* I can create a pedigree given information about several generations of individuals.

**What must I learn so I can do this?**

To be able to do this, I must be able to…

1. Identify the symbols used in a pedigree and describe what each symbol indicates.
2. Use the roman numeral and number labeling system to identify generations and individual people within generations in a pedigree.
3. Define autosomal dominant, autosomal recessive, X-linked recessive, and X-linked dominant traits.
4. If told the type of inheritance (i.e., autosomal dominant, autosomal recessive, X-linked recessive, or X-linked dominant) for a trait shown in a pedigree, I can identify the genotypes of people within the pedigree.
5. Determine whether a trait shown in a pedigree displays a recessive or dominant pattern of inheritance.
6. Determine whether a trait shown in a pedigree displays an autosomal or X-linked pattern of inheritance.
7. Draw a pedigree to show the inheritance of a trait through multiple generations of a family if given information about the members of the family.